

Title (en)

PATCH DELIVERY DEVICE WITH SKIN CONTACT SENSOR

Title (de)

PFLASTERABGABEVORRICHTUNG MIT HAUTKONTAKTSENSOR

Title (fr)

DISPOSITIF D'ADMINISTRATION DE PATCH COMPORTANT UN CAPTEUR CUTANÉ

Publication

**EP 3545997 A1 20191002 (EN)**

Application

**EP 18164145 A 20180327**

Priority

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Abstract (en)

The present invention is concerned with a safe use of a patch delivery device, in particular with identifying a removal of a release liner covering a patient-side adhesive layer prior to attachment of the latter to the skin of a patient. According to the invention, a patch delivery device such as a patch pump or patch injector includes a bottom housing part, a delivery element for subcutaneous delivery of a liquid to a patient, an adhesive patch for attaching the bottom housing part to the skin of the patient, a capacitive sensor with an electrode configuration including a plurality of skin contact sensitive electrodes, and a release liner covering a patient-side adhesive layer of the adhesive patch prior to adhering to the skin of the patient. The release liner includes an electrically conductive area extending over at least a part of the electrode configuration of the capacitive sensor before being removed from the adhesive patch. Providing the release liner with a conductive area gives rise to a discernible change in capacitive response of the sensor electrodes upon release liner removal.

IPC 8 full level

**A61M 5/32** (2006.01); **A61M 5/142** (2006.01); **A61M 5/46** (2006.01)

CPC (source: EP US)

**A61M 5/14248** (2013.01 - EP US); **A61M 5/3234** (2013.01 - EP); **A61M 5/46** (2013.01 - EP); **A61M 2205/13** (2013.01 - US)

Citation (applicant)

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- US 2017259015 A1 20170914 - CASPERS MICHAEL [DE]
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Citation (search report)

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